

**SYSTEM AND METHOD FOR MAXIMIZING CAPACITY
IN A TELECOMMUNICATIONS SYSTEM**

Abstract

Provided is a system and method for maximizing the number of communication sessions in a telecommunications network. The network includes multiple protocols that each utilize a certain number of codes and a certain amount of power. Accordingly, the desirability of each protocol may vary depending on the number of codes and the amount of power available. A code usage level and a power usage level for the network are obtained and compared to determine whether the network is using a higher percentage of the available codes or a higher percentage of the available power. If a higher percentage of codes are in use, a new session may be established using a protocol that uses relatively few codes but more power. Likewise, if a higher percentage of power is in use, the new session may be established using a protocol that uses relatively little power but more codes.